

IN THE CLAIMS:

Set forth below in ascending order, with status identifiers, is a complete listing of all claims currently under examination. Changes to any amended claims are indicated by strikethrough and underlining. This listing also reflects any cancellation and/or addition of claims.

Claim 1 (currently amended)

A digital video recorder, comprising:

an event detector configured to define a target region included as a portion in each of a plurality of video frames, said target region representing a specific area to be monitored for movement, said event detector being configured to detect movement of an object represented in said target region based on a motion vector associated with said object;

an event recorder coupled to said event detector, said event recorder being configured to coordinate selective storage of said portions~~at least a portion~~ of said plurality of video frames corresponding to said target region~~in response to said detected movement~~; and

an event notifier coupled to said event detector, said event notifier being configured to generate an event notification in response to said detected movement.

Claim 2 (original)

The digital video recorder of claim 1, wherein said event detector is configured to detect movement of said object based on identifying a reference point of said object, said motion vector being associated with said reference point.

Claim 3 (original)

The digital video recorder of claim 2, wherein said reference point corresponds to a portion of a perimeter of said object.

Claim 4 (original)

The digital video recorder of claim 1, wherein said event detector is configured to detect movement of said object based on at least one of a magnitude and an orientation of said motion vector.

Claim 5 (currently amended)

The digital video recorder of claim 1, wherein said event recorder is configured to coordinate storage of said portions of said plurality of video frames in the absence of remaining portions of said plurality of video frames~~corresponding to said target region~~.

Claim 6 (original)

The digital video recorder of claim 1, wherein said event recorder is configured to coordinate storage of audio data in response to said detected movement.

Claim 7 (currently amended)

The digital video recorder of claim 1, further comprising:

a first memory coupled to said event recorder, said first memory being configured to store said plurality of video frames; and

a second memory coupled to said event recorder, said event recorder being configured to transfer said portions of said plurality video frames from said first memory to said second memory in response to said detected movement.

Claim 8 (original)

The digital video recorder of claim 7, wherein said first memory is configured as a circular buffer to temporarily store said plurality of video frames.

Claim 9 (original)

The digital video recorder of claim 1, further comprising:

an event tracker coupled to said event detector, said event tracker being configured to track said object in response to said detected movement.

Claim 10 (original)

The digital video recorder of claim 9, wherein said event tracker is configured to reposition an image acquisition device such that said target region is substantially centered with respect to a reference point of said object.

Claim 11 (currently amended)

A computer-readable storage medium, comprising executable instructions to:

~~instructions to~~ identify an object represented in a target region as included in a first video frame;

~~instructions to~~ detect movement of said object based on a motion vector associated with said object;

~~instructions to~~ shift said target region as included in a second video frame in response to said detected movement, said target region being shifted without repositioning an image acquisition device; and

~~instructions to~~ coordinate storage of portions of said first and second video frames corresponding to said target region.

Claim 12 (currently amended)

The computer-readable storage medium of claim 11, wherein said executable instructions to identify said object include executable instructions to:

~~instructions to~~ identify a portion of a perimeter of said object.

Claim 13 (currently amended)

The computer-readable storage medium of claim 11, further comprising executable instructions to:

~~instructions to~~ generate said motion vector based on MPEG-format video data associated with at least one of said first and second video frames.

Claim 14 (currently amended)

The computer-readable storage medium of claim 11, wherein said executable instructions to shift said target region include executable instructions to:

~~instructions to~~ shift said target region such that said target region is substantially centered with respect to said object.

Claim 15 (currently amended)

The computer-readable storage medium of claim 11, further comprising executable instructions to:

~~instructions to~~ generate an event notification in response to said detected movement.

Claim 16 (currently amended)

The computer-readable storage medium of claim 15, further comprising executable instructions to:

~~instructions to~~ transmit said event notification via a network.

Claims 17-21 (cancelled)